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1 [The open archives initiative: building a low-barrier interoperability framework](#)

Carl Lagoze, Herbert Van de Sompel

January **JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries 2001**

Publisher: ACM 

Full text available:  PDF (356.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 115, Downloads (Overall): 1336, Citation Count: 41

The Open Archives Initiative (OAI) develops and promotes interoperability solutions that aim to facilitate the efficient dissemination of content. The roots of the OAI lie in the E-Print community. Over the last year its focus has been extended to include ...

Keywords: digital libraries, interoperability, metadata, protocols

2 [The architecture of robust publishing systems](#)

Marc Waldman, Aviel D. Rubin, Lorrie Faith Cranor

November 2001 **Transactions on Internet Technology (TOIT)**, Volume 1 Issue 2

Publisher: ACM 

Full text available:  PDF (680.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 64, Downloads (Overall): 870, Citation Count: 1

The Internet in its present form does not protect content from censorship. It is straightforward to trace any document back to a specific Web server, and usually directly to an individual. As we discuss below, there are valid reasons for publishing a ...

Keywords: Censorship resistance, Web publishing

3 [An open-source CVE for programming education: a case study](#)

Andrew M. Phelps, Christopher A. Egert, Kevin J. Pierre, David M. Parks

July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses**

Publisher: ACM 

Full text available:  PDF (7.92 MB) Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 338, Downloads (Overall): 1218, Citation Count: 0

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⁴ A simple mechanism for capturing and replaying wireless channels

Glenn Judd, Peter Steenkiste

August 2005 **E-WIND '05:** Proceedings of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis

Publisher: ACM Request PermissionsFull text available at www.sciencedirect.com

2018-08-08

[Additional information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics Downloads (6 Weeks): 39, Downloads (12 Months): 470, Downloads (Overall): 2057, Citation Count 3

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility ...

Keywords: channel capture, emulation, wireless

⁵ Managing the follow-me semantics to build large-scale pervasive applications

Tara Augustin, Adenauer Yamin, Cláudio F. Rasin Geyer

November 2005 **MPAC '05: Proceedings of the 3rd international workshop on Middleware for pervasive and ad-hoc computing**

Publisher: ACM

Full text available: [PDF \(788.26 KB\)](#)

Additional information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0. Downloads (12 Months): 28. Downloads (Overall): 307. Citation Count: 1

In this paper, we present the concept of follow-me semantics of the large-scale pervasive application and discuss the features and services to its implementation based on the integration of three computing fields: mobile, context-aware and grid computing. ...

Keywords: collaborative adaptation model, context aware adaptation, follow-me semantics, large-scale pervasive application, middleware design

6 Automatic verification of design patterns in Java

Alex Blewitt, Alan Bundy, Ian Stark

November 2005 **ASE '05:** Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering

Publisher: ACM Request PermissionsFull text available: [PDF \(260.41 KB\)](#)

PM (280)

[Additional information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 23. Downloads (12 Months): 208. Downloads (Overall): 794. Citation Count: 4

Design patterns are widely used by designers and developers for building complex systems in object-oriented programming languages such as Java. However, systems evolve over time, increasing the chance that the pattern in its original form will be broken. To ...

Keywords: Java, design pattern, specification, verification

⁷ DBGlobe: a service-oriented P2P system for global computing

Evaggelia Pitoura, Serge Abiteboul, Dieter Pfoser, George Samaras, Michalis Vazirgiannis

September 2003 **SIGMOD Record** - Volume 32 Issue 3

Publisher: ACM

Full text available: Pdf (282.99) Pdf (282.5)

Additional information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Downloads (Overall): 728, Citation Count: 9

The challenge of peer-to-peer computing goes beyond simple file sharing. In the DBGlobe project, we view the multitude of peers carrying data and services as a superdatabase. Our goal is to develop a data management system for modeling, indexing and ...


Keywords: global computing, metadata, peer-to-peer computing, peer-to-peer databases, pervasive computing, services, ubiquitous computing

¹² Distributed information management in the National HPCC Software Exchange

Shirley Browne, Jack Dongarra, Geoffrey C. Fox, Ken Hawick, Ken Kennedy, Rick Stevens, Robert Olson, Tom Rowan

Supercomputing '95: Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available:  [HTML](#) (42.98 KB)

[Additional Information; full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 62, Citation Count: 0

Currently, most approaches to retrieving textual materials from scientific databases depend on a lexical match between words in users' requests and those in or assigned to documents in a database. Because of the tremendous diversity in the words ...

Keywords: indexing, information, latent, matrices, retrieval, semantic, singular value decomposition, sparse, updating

13 Distributed digital commerce

▲ Markus Schmees

September 2003 **ICEC '03: Proceedings of the 5th international conference on Electronic commerce**

Publisher: ACM

Full text available: Pdf (136.74 KB)

[Additional information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 4. Downloads (12 Months): 48. Downloads (Overall): 998. Citation Count: 2

Electronic commerce covers trading activities that are supported by information and communication technologies. Digital commerce defines a particular subset of electronic commerce. There are only digital products or digital services involved and every ...


Keywords: Distributed Commerce, Distributed Systems, collaborative eCommerce, collaborative marketplace, decentralization, digital commerce, digital marketplace, digital money, peer-to-peer (P2P)

14 Safe compositional specification of networking systems

Azer Bestavros, Adam Bradley, Assaf Kfoury, Ibrahim Matta

July 2004 SIGCOMM Computer Communication Review . Volume 34 Issue 3

Publisher: ACM

Full text available:  Pdf (485.75 KB)

[Additional information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 0. Downloads (12 Months): 17. Downloads (Overall): 210. Citation Count: 1

The science of network service composition has emerged as one of the grand themes of networking research [17] as a direct result of the complexity and sophistication of emerging networked systems and applications. By "service composition" ...

Keywords: OoS theory, control theory, service composition, type systems

15 A scalable event infrastructure for peer to peer grids

Geoffrey Fox, Shrideep Pallickara, Xi Rao

November 2002 **JGI '02**: Proceedings of the 2002 joint ACM-ISCOPE conference on Java Grande

Publisher: ACM

Full text available: Pdf (400.08 KB)

[Additional information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 9. Downloads (12 Months): 45. Downloads (Overall): 1013. Citation Count: 4

In this paper we propose a peer-to-peer (P2P) grid comprising resources such as relatively static clients, high-end resources and a dynamic collection of multiple P2P subsystems. We investigate the architecture of the messaging and event service that ...

Keywords: JXTA, P2P systems, event distribution systems, grid computing, middleware

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